

## MARK MORGAN

San Jose, CA | (464) 300-2877 | [markmorgan.dev@gmail.com](mailto:markmorgan.dev@gmail.com) | [markmdev.com](http://markmdev.com) | [linkedin.com/in/markmdev/](https://linkedin.com/in/markmdev/)

## SUMMARY

Fullstack developer with hands-on experience delivering projects end-to-end — from design and backend APIs to frontend interfaces and deployment. Actively pursuing a B.S. in Computer Science while fully available for entry-level roles and internships now.

## TECHNICAL SKILLS

**Backend:** Node.js, Express.js, TypeScript, JavaScript, Python, PostgreSQL, Prisma, Redis, BullMQ, GraphQL, MongoDB, Socket.io

**AI/ML:** OpenAI Agents SDK, CrewAI, LangGraph, MCP, OpenAI API, Anthropic API

**Frontend:** React, Next.js, TypeScript, Tailwind CSS, Astro

**Cloud & DevOps, Tools:** AWS, EC2, S3, Lambda, DO Docker, NGINX, CI/CD, GitHub Actions, Git, Jest

**Architecture:** System Design, Microservices, Caching, Database Optimization, API Design

## PROJECTS

**Lingput – AI-Powered Language Learning Platform** | [lingput.dev](http://lingput.dev) | [github.com/markmdev/lingput](https://github.com/markmdev/lingput)  
(Node.js, Express.js, PostgreSQL, Redis, Next.js)

- Resolved UI blocking issue during long-running story generation (~30s) by implementing a background job queue with **BullMQ + Redis** and streaming real-time progress updates to the UI.
- Reduced application load time from **600 ms to 85 ms** (-85.8%) by implementing caching for frequent database queries.
- Developed automated **CI/CD pipeline**, reducing deployment time from **25 minutes to 5 minutes** through full automation.
- Eliminated **1.3s request latency** during accessToken refresh by migrating session management from relational DB to **Redis**.

**Personal Portfolio Website** | [markmdev.com](http://markmdev.com) | [github.com/markmdev/personal\\_website](https://github.com/markmdev/personal_website) (Astro, TailwindCSS, TypeScript)

- Achieved perfect Lighthouse scores (**100/100**) across Performance, Accessibility, Best Practices, and SEO metrics through optimized static site generation and asset delivery
- Implemented sub-500ms load times with zero blocking resources and minimal cumulative layout shift (0.017)

## EDUCATION

**Southern New Hampshire University** | Bachelor of Science in Computer Science | GPA: **4.0/4.0** | Expected Graduation: October 2026

## HONORS & AWARDS AND ORGANIZATIONS

**President's List** | Southern New Hampshire University | **Academic excellence** with GPA 3.7+

**Coding United Programming Club** | Active member collaborating on real-world software development projects and peer learning initiatives

**The National Society of Leadership and Success (NSLS)** | Developing leadership, communication, and career skills through training and community action